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AMENDMENT 1
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Amendment 1

Information technology – Implementation and operation of customer premises cabling –

Part 1: Administration

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FOREWORD

Amendment 1 to International Standard ISO/IEC 14763-1 was prepared by ISO/IEC subcommittee 25: Interconnection of information technology equipment, of ISO/IEC joint technical committee 1: Information technology.

This amendment adds a new normative Annex A to ISO/IEC 14763-1 and renumbers the present Annexes accordingly.

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Insert the new Annex A as follows and renumber the existing annexes A to D accordingly:

Annex A

(normative)

Classes of administration

A.1 General

Four typical classes of administration are specified in this Annex to accommodate various degrees of complexity related to the telecommunications infrastructure.

A.2 Determination of class

A.2.1 General

The most relevant factors in determining the minimum class of administration are the size and complexity of the infrastructure. The number of telecommunications spaces, such as equipment rooms, common equipment rooms, telecommunications rooms, common telecommunications rooms and entrance facility spaces, is an indicator of the degree of complexity.

Classes are scalable and allow expansion without requiring changes to existing identifiers or labels. For mission critical systems, buildings over 7 000 m^2 or multi-tenant buildings, administration of pathways and spaces, and outside plant elements is strongly recommended.

A.2.2 Class 1

Class 1 addresses the administration needs of premises that are served by a single equipment room. The latter is the only telecommunication space administered whereas there are no telecommunications rooms and no backbone cabling or outside plant cabling systems to administer. Simple cable pathways will generally be intuitively understood and need not be administered. In order to administer cable pathways or fire-stopping locations, class 2 or higher administration systems should be used. Class 1 will typically be managed using a paper-based system or with general purpose spreadsheet software.

A.2.3 Class 2

Class 2 administration provides for the telecommunications infrastructure administration needs of a single building or of a tenant that is served by a single or multiple telecommunications spaces (e.g., an equipment room with one or more telecommunications rooms) within a single building. Class 2 administration includes all elements of class 1 administration, plus identifiers for backbone cabling, multiple-element grounding and bonding systems, and fire-stopping. Cable pathways may be intuitively understood, administration of these elements is therefore optional. Class 2 may be managed using a paper-based system, general purpose spreadsheet software, or special-purpose cable management software.

A.2.4 Class 3

Class 3 administration addresses the needs of a campus, including its buildings and outside plant elements. Class 3 administration includes all elements of class 2 administration, plus identifiers for buildings and campus cabling. Administration of building pathways and spaces, and outside plant elements is recommended. Class 3 may be managed with a paper-based

system, general purpose spreadsheet software or special-purpose cable management software.

A.2.5 Class 4

Class 4 administration addresses the needs of a multi-site system. Class 4 administration includes all elements of class 3 administration, plus an identifier for each site, and optional identifiers for inter-campus elements, such as wide area network connections. For mission-critical systems, large buildings or multi-tenant buildings, administration of pathways and spaces and outside plant elements is strongly recommended. Class 4 may be managed with general purpose spreadsheet software or special-purpose cable management software.

A.3 Service records of link

Requirements for minimum and optional records in general are described in 4.5.

Link records shall contain as a minimum the details provided in the following example:

- The link passed Class D measurement at installation (4th August 2002).
- It was re-terminated and re-tested at cross-connect (1st December 2002) because of a defective conductor.